

CLAIMS

What is claimed is:

1 1. A method of performing a trick mode on a video signal containing a
2 plurality of original pictures, comprising the steps of:

3 receiving a trick mode command;

4 searching the plurality of original pictures in the video signal for a picture
5 compatible with the trick mode; and

6 initiating the trick mode once the compatible picture is located.

1 2. The method according to claim 1, wherein the compatible picture is an
2 intra picture.

1 3. The method according to claim 1, wherein the compatible picture is a
2 predictive picture.

1 4. The method according to claim 1, wherein the trick mode is a freeze
2 trick mode and said method further comprises the step of repeating the compatible
3 picture for the duration of the trick mode to form a trick mode signal.

1 5. The method according to claim 4, wherein said repeating step further
2 comprises the step of repeating the compatible picture for the duration of the trick
3 mode by inserting into the video signal dummy pictures predicted from the
4 compatible picture to form the trick mode video signal.

PU020036

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1 6. The method according to claim 5, wherein each of the plurality of
2 original pictures contains a display indicator and said method further comprises the
3 step of selectively modifying the display indicator of the original pictures that follow
4 the compatible picture when a dummy picture is inserted into the video signal.

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1 7. The method according to claim 6, wherein the dummy pictures are
2 dummy predictive pictures.

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1 8. The method according to claim 7, wherein the compatible picture is an
2 intra picture and said method further comprises the step of selectively inserting the
3 compatible I picture into the trick mode signal.

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1 9. The method according to claim 8, wherein at least a portion of the trick
2 mode is decoded by a remote decoder.

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1 10. A method of performing a trick mode on a video signal, comprising the
2 steps of:

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3 receiving a trick mode command;

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4 searching for a picture in the video signal compatible with the trick mode; and

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5 initiating the trick mode once the compatible picture is located;

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6 wherein the trick mode command is a freeze trick mode.

PU020036

1 11. A system for performing a trick mode on a video signal containing a
2 plurality of original pictures, comprising:
3 a controller for reading data from a storage medium and generating the video
4 signal; and
5 a video processor, wherein the processor is programmed to:
6 receive a trick mode command;
7 search the plurality of original pictures for a picture in the video signal
8 compatible with the trick mode; and
9 initiate the trick mode once the compatible picture is located.

1 12. The system according to claim 11, wherein the compatible picture is an
2 intra picture.

1 13. The system according to claim 11, wherein the compatible picture is a
2 predictive picture.

1 14. The system according to claim 11, wherein the trick mode is a freeze
2 trick mode and the processor is further programmed to repeat the compatible picture
3 for the duration of the trick mode to form a trick mode signal.

1 15. The system according to claim 14, wherein the processor is further
2 programmed to repeat the compatible picture for the duration of the trick mode by
3 inserting into the video signal dummy pictures predicted from the compatible picture
4 to form the trick mode video signal.

PU020036

1 16. The system according to claim 15, wherein each of the plurality of
2 original pictures contains a display indicator and the processor is further
3 programmed to selectively modify the display indicator of the original pictures that
4 follow the compatible picture when a dummy picture is inserted into the video signal.

1 17. The system according to claim 16, wherein the dummy pictures are
2 dummy predictive pictures.

1 18. The system according to claim 17, wherein the compatible picture is an
2 intra picture and the processor is further programmed to selectively insert the
3 compatible I picture into the trick mode signal.

19. The system according to claim 18, further comprising a remote decoder
for decoding at least a portion of the trick mode video signal.